Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/07/2020 10:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125493	0	1.84	125589	1.79
Blue	F	SSC	125000	124970	-1	1.62	125735	1.63
Blue	E	FITC	15892	15464	-3	2.66	337	19.81
Blue	D	PE	29999	29508	-2	1.91	644	14.39
Blue	B	PerCP-Cy5-5	43732	43623	-1	3.56	1175	20.00
Blue	A	PE-Cy7	30845	30718	-1	6.02	586	40.84
Red	C	APC	46112	45671	-1	2.47	1613	12.07
Red	A	APC-Cy7	30458	29682	-3	2.35	791	11.86
Violet	B	V450	7918	7622	-4	4.11	426	12.88
Violet	A	V500	32171	31006	-4	3.80	723	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17677	9.29	619	-2	N/A	N/A	Pass
Blue	F	SSC	56885	1.16	561	2	N/A	N/A	Pass
Blue	E	FITC	62	62.06	542	-1	0.0203	107	Pass
Blue	D	PE	133	49.96	548	0	0.1805	308	Pass
Blue	B	PerCP-Cy5-5	216	50.75	657	1	0.0096	116	Pass
Blue	A	PE-Cy7	109	100.82	699	1	0.0109	14	Pass
Red	C	APC	382	25.01	589	5	0.0246	125	Pass
Red	A	APC-Cy7	175	28.66	560	4	0.0057	1115	Pass
Violet	B	V450	66	58.41	460	2	0.0553	2139	Pass
Violet	A	V500	108	31.57	476	2	0.0229	464	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.01	-32.45	1.00
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.51	13.60 - 20.40	N/A	N/A	29.93	30.47	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10469

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments